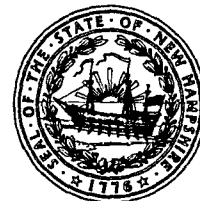




State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES
64 No. Main Street, P.O. Box 2008, Concord, NH 03302-2008
(603) 271-3406 FAX (603) 271-7894



April 24, 1998
Letter of Deficiency
DAM #203.02

Mr. John Hunt
79 Sunrise Road
Rindge, NH 03461

RE: Damon Upper Reservoir Dam, Rindge

Dear Mr. Hunt:

On October 9, 1997, the Department of Environmental Services (DES) conducted an inspection of the subject dam. This inspection was conducted in accordance with RSA 482:12 and Env-Wr 502.02. During the visual inspection and/or file review, the following deficiencies were observed:

1. There were trees and brush on the upstream face of the dam and within 10 feet of the downstream toe of the dam;
2. The concrete and stone making up the crest of the dam was uneven and deteriorating;
3. The earthen abutments of the breached area in the west dike were unprotected and showed signs of erosion;
4. The low level outlet was inoperable;
5. A review of the hydrology and hydraulics indicates that the dam is incapable, in its present configuration, of safely passing the 50-year storm event with one foot of freeboard; and
6. There is no operations and maintenance plan.

DES believes that the above deficiencies can be corrected by performing the following items by the following schedule:

By June 1, 1998:

1. Prepare and submit to the DES a written operational procedure plan. The plan should describe the control of impoundment levels, describe monitoring and maintenance procedures, and identify emergency contact personnel;
2. Remove trees and brush on the upstream face of the dam and within 10 feet of the toe of the dam;
3. Provide erosion resistant protection, in the form of sufficiently sized rip-rap, to the earthen abutments of the breached area in the west dike;

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By August 1, 1998:

4. Repair the deteriorating concrete and stone cap making up the crest of the dam and return the entire crest length to a uniform elevation;
5. Provide a plan which addresses the following items and which includes a schedule for their completion:
 - a) restoration of the low level outlet.
 - b) construction of an outlet which will safely pass the flow resulting from a 50-year storm event with at least one foot of remaining freeboard or stabilize the dam to withstand overtopping for the duration of the 50-year storm event.

OR

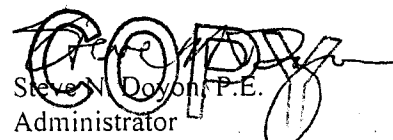
- c) breach the dam such that it will not impound water during the 50 year storm event.;

The DES is requesting that you complete and submit the attached "Intent to Complete Repairs" form, within 30 days of receipt of this letter, that will provide for correction of the identified deficiencies by the date(s) indicated above. If you believe changes to the items of work or dates are necessary, please make the changes directly on the form and provide a brief explanation. We have enclosed a self addressed stamped envelope for your use in the return of this form. If we do not receive the form or a similarly adequate written reply, we will consider issuing an Administrative Order requiring the deficiencies to be corrected.

We believe that the noted deficiencies warrant attention to ensure the continuing safe operation of your dam. We are available to assist you in any way that we can to correct the deficiencies promptly and effectively. Enclosed is a listing of items to consider and address when preparing the operational procedure plan, as well as an example plan.

If you have any questions or comments regarding this Letter of Deficiency, please contact Grace E. Levergood or me at 271-3406, or write to the Water Division at the address listed on the top of the previous page.

Sincerely,


Steven N. Doyon, P.E.
Administrator
Water Resources Section

Attachments Guideline for an O&M plan, DB8, DB13

cc: Gretchen Rule

Town of Rindge

Eric Teale, HTE Northeast

Certified # 2786 913 501

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